

PLEXIGLAS® Automotive Grades

February 2015

ACRYLIC RESIN

All Plexiglas® Grades are AMECA listed and do not require post mold UV protective coating.

Unmodified Grades

Plexiglas® V052 is a general purpose, medium heat resistant grade that is often specified for interior and exterior lighting components. Its excellent chemical resistance and mold release properties make this formulation a popular choice for molding reflex optics.

Plexiglas® V825 is high heat formulation with excellent melt flow for thin wall and intricate parts. This grade is typically used for instrument cluster lenses, sub dials, and light guides.

Plexiglas® V826 is a high heat formulation with excellent chemical resistance. This grade is the material of choice for exterior lighting lenses where standard acrylic impact strength is acceptable.

Plexiglas® HT121 has the highest heat resistance of any Plexiglas® grade. It is typically specified for inner lenses, reflex plates, light guides and light pipes where high heat resistance and excellent optical properties are required.

Impact Modified Grades

Plexiglas® V052i is a lightly impact modified version of Plexiglas® V052 with enhanced heat resistance. This grade is often specified in place of unmodified acrylic grades for exterior and interior lighting applications when cracking or processing difficulties cause high reject rates.

Plexiglas® V052i 58208RB has the same properties as Plexiglas® V052i but is formulated in a deep jet black color that eliminates the painting process.

Plexiglas® MI7 is a medium impact and medium heat resistant grade. It is often used for insert molding and multi-shot rear combination lenses to minimize breakage during production. This grade offers impact strength that is 7 times that of standard unmodified grades with the combined benefit of excellent weatherability.

Plexiglas® MI7C 56503 is a medium impact, high gloss product formulated with a deep jet black color to eliminate the painting process. It has impact strength that is 7 times that of standard unmodified grades and the jet black color is extremely weatherable, passing all OEM color and weathering requirements. This grade should be considered in place of ASA, PC/PBT, and PC/ASA products that are known to weather poorly outdoors.

Plexiglas® DR® has the highest impact resistance of any Plexiglas® grade. It is specified primarily on trucks, sport utilities, and vans where the lamp will be subjected to high abuse. This grade offers impact strength that is 10 times that of standard unmodified grades with the combined benefit of excellent weatherability.

Light Diffusion Grades

Plexiglas® Frosted® is a diffusion grade available in impact modified and unmodified grades. This grade is

used in interior and exterior applications where light diffusion is desired.

plexiglas.com

800-523-1532

ALTUGLAS
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ARKEMA GROUP

Altuglas International, Arkema Inc., 100 PA Rt. 413, Bristol, PA 19007

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Plexiglas® Automotive Compliance

Plexiglas®	Chrysler		Ford		GM		Other
	Legacy	Current	Legacy	Current	Legacy	Current	
Plexiglas® HT121	On Drawing	MSDB-75: CPN 4232	ASTM D788	WSS-M4D776-B3* WSS-M4D776-B4*	On Drawing	GMW16335P-PMMA-T1	FMVSS 108, SAE J576
Plexiglas® DR®	MSDB-16	MSDB-75: CPN 4235	ESB-M4D9-A11	On Drawing	GMP.PMMA.001	GMW16335P-PMMA-T5*	FMVSS 108, SAE J576
Plexiglas® MI7	MSDB-16	MSDB-75: CPN 4236	WSB-M4D687-A	Approved	GMP.PMMA.015	GMW16335P-PMMA-T4	FMVSS 108, SAE J576
Plexiglas® MI7C 56503	MSDB-16	MSDB-75: CPN 4236	WSB-M4D687-A	On Drawing	GMP.PMMA.015	On Drawing	NA
Plexiglas® MI7T	MSDB-16	MSDB-75: CPN 4236	WSB-M4D687-A	Approved	GMP.PMMA.015	GMW16335P-PMMA-T4	FMVSS 108, SAE J576
Plexiglas® V040	On Drawing	On Drawing	On Drawing	On Drawing	On Drawing	GMW16335P-PMMA-T2	FMVSS 108, SAE J576
Plexiglas® V052	MSDB-143	MSDB-75: CPN 4233, CPN 4234	ESF-M4D9-A	On Drawing	GMP.PMMA.006 GMP.PMMA.009	GMW16335P-PMMA-T3	FMVSS 108, SAE J576
Plexiglas® V052i	MSDB-16	MSDB-75: CPN 4237	ESF-M4D9-A	WSS-M4D776 B1	GMP.PMMA.006	GMW16335P-PMMA-T3	FMVSS 108, SAE J576
Plexiglas® V052i 58208RB	MSDB-16	MSDB-75: CPN 4237	ESF-M4D9-A	WSS-M4D776 B5	GMP.PMMA.006	GMW16335P-PMMA-T3	FMVSS 108, SAE J576
Plexiglas® V825	MSDB-14	MSDB-75: CPN 4231, CPN 4232	ESF-M4D9-A WSK-MD776-A1	WSS-M4D776 B1 WSS-M4D776 B2	GMP.PMMA.007 GMP.PMMA.012	GMW16335P-PMMA-T2	FMVSS 108, SAE J576
Plexiglas® V826	MSDB-14	MSDB-75: CPN 4232	WSK-M4D776-A1 WSK-M4D776-A2	WSS M4D776 B2 WSS M4D776 B1	GMP.PMMA.007 GMP.PMMA.010	GMW16335P-PMMA-T2	FMVSS 108, SAE J576

*Pending

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