



TRIVALENCE

TriVOL 23D68 (U,R)

Thermoplastic Polyolefin

General Information

Product Description

Thermoplastic Polyolefin, Mineral Filled

FEATURES

-RoHS/REACH Compliant
 -TPO
 -13% Talc Reinforced

ADDITIONAL FORMULAS

-Added Release "R"
 -Added UV "U"

COLOR

-All

General

Typical Applications -Appliance, electrical, lawn & garden, automotive, packaging, industrial

Processing Method -Injection

Form(s) -Pellets

Availability -North America, Europe, Asia, Latin America

ASTM / ISO Properties ¹			
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Physical	Nominal Value	Unit	Test Method
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Density	1.00	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	20	g/10min	ASTM D1238
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal

Mechanical	Nominal Value	Unit	Test Method
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Tensile Strength	2,400	psi	ASTM D638
Tensile Elongation	>15	%	ASTM D638
Flexural Modulus	180,000	psi	ASTM D790
Notched Izod Impact	8.0	ft-lbs/in	ASTM D256
Shore Hardness	68.0	D	ASTM D2240

Thermal	Nominal Value	Unit	Test Method
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Deflection Temperature Under Load (0.45 MPa)	170	°F	ASTM D648
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Flammability	Nominal Value	Unit	Test Method
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0.06 in	HB		TVT Internal
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Recommended Processing Guidance	Nominal Value	Unit
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Drying Temperature	160 to 200	°F
Drying Time	1 to 3	Hours
Suggested Max Moisture	0.05	%
Processing Melt Temperature	410 to 480	°F
Mold Temperature	80 to 140	°F