



TRIVALENCE

TriVOL 33D70 (U,R)

Thermoplastic Polyolefin

General Information

Product Description

Thermoplastic Polyolefin Mineral Filled

FEATURES

-RoHS/REACH Compliant
-TPO
-20% 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 Properties¹

Physical

	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ASTM D792
Melt Flow Rate (230°C/2.16kg)	25	g/10min	ASTM D1238
Outdoor Suitability (QUV) ("U" grades)	Pass		TVT Internal

Mechanical

	Nominal Value	Unit	Test Method
Tensile Strength	2,800	psi	ASTM D638
Tensile Elongation	>10	%	ASTM D638
Flexural Modulus	230,000	psi	ASTM D790
Notched Izod Impact	10.0	ft-lbs/in	ASTM D256
Shore Hardness	70.0	D	ASTM D2240

Thermal

	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa)	185	°F	ASTM D648

Flammability

	Nominal Value	Unit	Test Method
0.06 in	HB		TVT Internal

Recommended Processing Guidance

	Nominal Value	Unit
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