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General Information				
uct Description				
Low flow, high impact grade ABS used for extrusion and blow molding applications				
FEATURES	ADDITIONAL FORMULAS	COLOR		
FEATURES -High Impact	ADDITIONAL FORMULAS -Added Release "R"	-All		

General

Typical Applications Processing Method Form(s) Availability

Mold Temperature

-Appliance, construction, sheet. -Injection/Extrusion/Blow Molding -Pellets -North America, Europe, Latin America

ASTM / ISO Properties ¹				
Physical	Nominal Value Unit	Test Method		
Density	1.04 g/cm ³	ASTM D792		
Melt Flow Rate (230°C/3.8kg)	2 g/10min	ASTM D1238		
Molding Shrinkage - Flow (3.2mm)	0.5 to 0.7 %	TVT Internal		
Outdoor Suitability (QUV) ("U" Grades)	Pass	TVT Internal		
Mechanical	Nominal Value Unit	Test Method		
Tensile Strength, yld	5800 psi	ASTM D638		
Tensile Elongation	>35 %	ASTM D638		
Flexural Modulus	335000 psi	ASTM D790		
Notched Izod Impact	5 ft-lbs/in	ASTM D256		
Rockwell Hardness	112 R-Scale	ASTM D785		
Fhermal	Nominal Value Unit	Test Method		
Deflection Temperature Under Load (0.45 MPa)	199 °F	ASTM D648		
Deflection Temperature Under Load (1.8 MPa)	175 °F	ASTM D648		
Vicat Softening Temperature	209 °F	ASTM D1525		
CLTE - Flow	4.5E-5 in/in/°F	ASTM E831		
Flammability	Nominal Value Unit	Test Method		
0.06 in	HB	UL94 - TVT Interna		
Recommended Processing Guidance				
Drying Temperature	175 to 200 °F			
Drying Time	3 to 5 Hours			
Suggested Max Moisture	0.04 %			
Processing Melt Temperature	480 to 530 °F			

Note: I he values listed on this guide are typical values based on general molding conditions and used solely for the purpose of general material processing. It is recommended that application properties be derived from actual molded articles, whereas properties as molded could vary. These are not to be used as specifications. This data does not provide an implied conditional warranty.

110 to 175 °F