HiFill® ABS 8004

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Features	• General Purpose	• High Impact Resistance
Appearance	• Colors Available	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.03		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	0.10	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	4900	psi	ASTM D638
Tensile Elongation (Yield)	30	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Flexural Strength	9800	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	2.3	ft·lb/in	
32°F, 0.125 in	3.4	ft·lb/in	
73°F, 0.125 in	8.4	ft·lb/in	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	95		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	201	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	187	°F	ASTM D648

Notes

[1] Typical properties: these are not to be construed as specifications.

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