

SCHULAMID® B 6 MKF 4015

Polyamide 6
Engineering Plastics

Product Description

40% glassfiber and mineral reinforced polyamide 6 compound with high mechanical strength and dimensional stability

General

Filler / Reinforcement	• Glass\Mineral, 40% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• PA6-GF-M

Physical	Dry	Conditioned	Unit	Test Method
Density	1.44	--	g/cm³	ISO 1183/A

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1.13E+6 (7800)	609000 (4200)	psi (MPa)	ISO 527-2/1A/1
Tensile Stress (Break)	17400 (120)	9430 (65.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	2.5	10	%	ISO 527-2/1A/5

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	1.7 (3.6)	--	ft·lb/in² (kJ/m²)	
73°F (23°C)	1.9 (4.0)	3.3 (7.0)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	19 (40)	--	ft·lb/in² (kJ/m²)	
73°F (23°C)	21 (45)	29 (60)	ft·lb/in² (kJ/m²)	

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
66 psi (0.45 MPa), Unannealed	410 (210)	--	°F (°C)	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	378 (192)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	428 (220)	--	°F (°C)	ISO 306/A50
--	419 (215)	--	°F (°C)	ISO 306/B50

Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate				
0.0787 in (2.00 mm)	1.6 (40)	--	in/min (mm/min)	ISO 3795
0.0787 in (2.00 mm)	1.6 (40)	--	in/min (mm/min)	FMVSS 302

Notes

These are typical property values not to be construed as specification limits.

