Ultramid® SEGM35 H1 BK-126 (Cond)

Polyamide 6

BASF Corporation

Product Description
Ultramid SEGM35 H1 BK-126 is a 40% glass/mineral reinforced injection molding grade. It offers enhanced surface appearance, it also exhibits similar UV weathering characteristics compared to 8267G HS BK-106. In parts containing cross sections, significant pressure drops are encountered during filling.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber Reinforcement, 15% Filler by Weight	• Mineral Filler, 25% Filler by Weight	
Additive	• Heat Stabilizer		
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flow	• Good Processability • Good Stiffness • Good Surface Finish • Good Thermal Aging Resistance	• Good UV Resistance • Heat Stabilized • Low Viscosity • Semi Crystalline
Uses	• Automotive Applications • Automotive Exterior Parts	• Electrical Housing • Handles	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
80°C	3050	MPa	ISO 527-2
121°C	2320	MPa	ISO 527-2
--	3900	MPa	ISO 527-2 [2]
Tensile Strength			
Break, -40°C	153	MPa	ASTM D638 ISO 527-2
Break, 80°C	46.0	MPa	ASTM D638 ISO 527-2
Break, 121°C	38.0	MPa	ASTM D638 ISO 527-2
Break	67.0	MPa	ISO 527-2 [2]
Tensile Elongation			
Break, -40°C	2.6	%	ASTM D638
Break, 80°C	5.9	%	ASTM D638
Break, 121°C	7.3	%	ASTM D638
Break	5.6	%	ISO 527-2 [2]

Notes

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

[2] Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.