Ultramid® 8254 HS BK-102 (Cond)

Polyamide 6
BASF Corporation

Product Description
Ultramid 8254 HS BK-102 is a highly flexible, heat stabilized, pigmented black, impact modified PA6 extrusion compound for tubing application.

General			
Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• Good Abrasion Resistance • Good Chemical Resistance • Good Dimensional Stability • Good Flexibility • Good Flow	• Good Impact Resistance • Good Processability • Good Thermal Aging Resistance • Good Toughness • Heat Stabilized	• Homopolymer • Impact Modified • Medium Viscosity • Semi Crystalline
Uses	• Automotive Applications	• Cable Jacketing	• Tubing
Agency Ratings	• ASTM D 4066	• ULC Unspecified Rating	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion
Multi-Point Data	• Isothermal Stress vs. Strain (ISO 11403-1)	• Secant Modulus vs. Strain (ISO 11403-1)	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-40°C	3000	MPa	ISO 527-2
80°C	230	MPa	ISO 527-2
121°C	145	MPa	ISO 527-2
--	460	MPa	ISO 527-2 [2]
Tensile Strength			
Yield, -40°C	104	MPa	ASTM D638 ISO 527-2
Yield, 23°C	26.0	MPa	ASTM D638
Yield	26.0	MPa	ISO 527-2 [2]
Tensile Strain (Yield)	30	%	ISO 527-2 [2]
Nominal strain at break	> 50	%	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.