

Product Description

Heat Stabilized, UV Resistant, Hydrolysis Resistant, Polyamide 6

General Considerations

Resin ID (ISO 1043)	· >PA6 GF35<	
Additive	· UV Resistant	· Heat Stabilizer
Processing	· Injection Molding	
Color	· Black	

- The information below is for informational purposes only and should not be adopted as specification limits.

Physical	Value	Unit	Method
Density / Specific Gravity	1,40	g/cm ³	ISO 1183
Molding Shrinkage (parallel)	0,3	%	ISO 294
Molding Shrinkage (normal)	0,9	%	ISO 294

Mechanical	Value (Dry)	Value (Cond.)	Unit	Method
Tensile Modulus (23°C)	11500	7200	MPa	ISO 527-1-2
Tensile stress at break (23°C)	195	130	MPa	ISO 527-1-2
Tensile strain at break (23°C)	3,5	7	%	ISO 527-1-2
Flexural Strength	255	-	MPa	ISO 178
Flexural Modulus (23°C)	10000	6600	MPa	ISO 178
Izod Notched Impact Strength (23°C)	15	28	kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength (23°C)	18	33	kJ/m ²	ISO 179
Charpy Notched Impact Strength (-30°C)	13	-	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	100	110	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (-30°C)	90	-	kJ/m ²	ISO 179

Thermal	Value	Unit	Method
Melting Temperature (DSC)	220	°C	ISO 3146/A
Heat Deflection Temperature - 0,45 Mpa	220	°C	ISO 75-1-2
Heat Deflection Temperature - 1,80 Mpa	215	°C	ISO 75-1-2

Process	Value	Unit	Method
Molding Process Temperature	260 to 295	°C	--
Mold Temperature	80 to 90	°C	--
Drying	90 / 2~4	°C/Hours	--

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