

Durethan® BKV215H2.0 901510 DUS008
PA6-GF15

Envalior

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.7 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	4500 / 2000	MPa	ISO 527
Stress at Break	80 / 45	MPa	ISO 527
Strain at Break	5 / 15	%	ISO 527
Impact Strength (Charpy), +23°C	70 / 95	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	80 / 80	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	20 / 35	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	10 / 10	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	4100 / 2100	MPa	ISO 178
Flexural strength	135 / 75	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	20 / 35	kJ/m²	ISO 180/1A
Notched Impact Strength (Izod)	10 / 10	kJ/m²	ISO 180/1A
Temperature	-30	°C	-
Impact Strength (Izod), 23°C	60 / 90	kJ/m²	ISO 180/1U

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	219 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	170 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	205 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1170 / -	kg/m³	ISO 1183
Bulk density	600	kg/m³	-

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	280	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	2 - 6	h	-
Processing humidity	≤0.12	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	80 - 100	°C	-

Characteristics
Processing

Injection Molding

Features

Thermal Stability

Special Characteristics

Impact modified