

Product Texts

- Injection molding grade
 - with high mechanical strength for articles subject to wear
 - with special UV stabilizers
 - excellent abrasion resistance
 - good wear resistance
 - very short cycle times
- Application:
- Injection molded engineering parts
 - Rollers

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	128	MPa	ISO 178
^[C] Stress at 10% elongation	14	MPa	ISO 527
^[C] Stress at 100% elongation	22.2	MPa	ISO 527
^[C] Stress at 300% elongation	39	MPa	ISO 527
^[C] Stress at break TPE	53	MPa	ISO 527
^[C] Strain at break TPE	>300	%	ISO 527
Tensile Strength	53.5	MPa	ISO 37
Strain at break	408	%	ISO 37
^[C] Compression set at 70 °C, 24h	35	%	ISO 815
^[C] Compression set at 100 °C, 24h	26	%	ISO 815
^[C] Tear strength	135	kN/m	ISO 34-1
^[C] Abrasion resistance	26	mm ³	ISO 4649
^[C] Shore A hardness	96	-	ISO 7619-1
^[C] Shore D hardness	56	-	ISO 7619-1

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
^[C] Density	1220	kg/m ³	ISO 1183

[C]: CAMPUS

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	≤110	°C	-
Melt temperature	220 - 240	°C	-
Mold temperature	20 - 40	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Special Characteristics

U.V. stabilized or stable to weather

Other text information**Injection molding**

PREPROCESSING

Max. water content: 0.05 %

Max. drying temperature: 110 °C

Drying time:

Dry air dryer 1-2 h

PROCESSING

Melt temperature: 220-240 °C

Mold temperature: 20-40 °C