

Technical Datasheet Laripur 5020

1) Product Description:

Laripur 5020 is a polyester based Thermoplastic Polyurethane (TPU) used e.g. for the injection molding of technical items.

2) Applications:

Injection molding of technical items

3) Typical data:

Property	Test method	Unit	Value*
Specific gravity	DIN 53479	gr/cm ³	1.23
Shore hardness	DIN 53505	D	50
Abrasion loss	DIN 53516	mm ³	35
Tensile Modulus 50%	DIN 53504	N/mm ²	9.0
100%	"	"	11.3
300%	"	"	25.6
Tensile Strength	DIN 53504	N/mm ²	55.8
Elongation at break	DIN 53504	%	510
Tear Strength	DIN 53515	N/mm	120
Flexural Modulus	ISO 178	N/mm ²	75
Torsion Test +20°C	DIN 53447	N/mm ²	20
-20°C	"		190
Roil -20°C/+20°C			9.5
Vicat Softening Poin	ISO 306	°C	105
Compress Sat 70h/23°C	DIN 53517	%	24
22h/70°C	"	"	50
70h/100°C	"	"	

* Typical values not to be construed as specifications.

EEC and FDA food contact approved.