

## 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 <sup>3</sup>	1.23
Shore hardness	DIN 53505	D	50
Abrasion loss	DIN 53516	mm <sup>3</sup>	35
Tensile Modulus 50%	DIN 53504	N/mm <sup>2</sup>	9.0
100%	"	"	11.3
300%	"	"	25.6
Tensile Strength	DIN 53504	N/mm <sup>2</sup>	55.8
Elongation at break	DIN 53504	%	510
Tear Strength	DIN 53515	N/mm	120
Flexural Modulus	ISO 178	N/mm <sup>2</sup>	75
Torsion Test +20°C	DIN 53447		20
-20°C	"	N/mm <sup>2</sup>	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.