

**API**<sup>TM</sup>

A Trinseo company.

**TECHNICAL DATA SHEET**

PROVISIONAL

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**R&D 361 EXP 635**

TPE-U  
TPU Ester compounds

**APILON<sup>TM</sup> 52**

Properties	Methods	Units	Results (*)
Density	ASTM D 792	g/cm <sup>3</sup>	500
Hardness Sh.A (3 sec.)	ASTM D 2240	sh.A	55
Tear strength (type C)	ASTM D 624	KN/m	12
Tensile strength (type IVB)	ASTM D 638	MPa	2,1
Elongation at break (type IVB)	ASTM D 638	%	600
Resilience Schob Pendulum	ASTM D 7121	%	41

817

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**Technology**

Injection

**Processing**

Optimum processing conditions depend on such features as machine size, screw design, mould/extruder head and material residence time.

PRE-DRYING MIN. 2 HR. AT 80°C

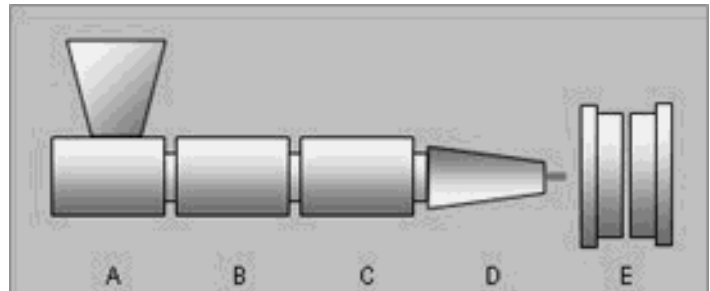
It is necessary to store the material in a cool dry place. Exposure to high temperature, high humidity, flames or other heat source has to be avoided.

OPENED PACKAGING SHOULD BE SEALED AFTER USE. SHELF LIFE: ONE YEAR.

INJECTION PRESSURE: HIGH  
BACK PRESSURE: LOW - ABSENT  
INJECTION SPEED: HIGH

**Temperature settings (°C)**

Zone A: 110 : 130  
Zone B: 120 : 140  
Zone C: 130 : 150  
Zone D: 140 : 160  
Zone E: 28 : 35

**Recycling**

REGINDED MATERIAL CAN BE EASILY MIXED WITH VIRGIN PRODUCT.  
NOT ALLOWED FOR CRITICAL APPLICATIONS OR THERMOSET MATERIALS.

(\*) Typical property values; these are not to be construed as specifications.

The information supplied above is given in good faith and is accurately based on test results. However, we recommend that the procedures suggested, which may be updated from time to time, are tested to ensure that they are suitable for your specific application/production. API Spa does not guarantee results and assumes no obligation or responsibility whatsoever in respect of the information provided, other than those required by applicable Law. Furthermore API Spa will not take any responsibility in case of any use of the products in violation of third party patent and/or right of any kind.