

**KPI 85-140(125CCZ)**

**Application and description:** This product is used as insulation for flexible cables at a voltage of 0.6/1kV and is designed based on high quality additives such as strong stabilizers and plasticizers. According to the standard, PVC/A IEC 60502-1, this product needs to show mechanical properties of 12.5 MPa and a elongation at break of at least 150%. Among the unique features of the insulating compounds produced by Khorram Plastic, we can mention the glossiness of the final product surface.

**Packaging:** 25 kg laminated polypropylene bags

**Storage:** dry place, away from the sun, temperature below 30°C

**Color:** Colorless insulation (125CCZ 001) - Black (125CC ZP 001) - Blue (125CC ZP 1 001) - Red (125CCZP2 001) - Yellow (125CCZP3 001) - Green (125CCZP4 001) - Brown (125CCZP5 001)

The results reported in the table below are based on the prepared sheet (T according to IEC 60811 standard).

Properties	Unit	Amount	Standard
Density	$gr/cm^3$	$1.40 \pm 0.01$	ASTM D 792
Hardness at 15 second	Shore "A"	$85 \pm 2$	ASTM D 2240
Thermal stability at 200°C	Minute	Min 60	VDE 0472
Mechanical properties Tensile Elongation	MPa %	$14.5 \pm 1$ Min 160	IEC 60811-1-1
Amount of changes in mechanical properties after aging		$\pm 20\%$	

**Temperature profile:**

The recommended temperature settings for the extruder with L/D around 22-24 are as follows :

	Zone 1	Zone 2	Zone 3	Zone 4	Head	Die
Temp (°C)	140-160	150-170	160-180	170-190	160-180	180-195

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