

**KPI 86-151 (125CCZ)**

**Application and description:** This product is used as insulation for flexible cables at a voltage of 450/750 V and is designed based on high quality additives such as strong stabilizers and plasticizers. According to the standard, PVC/D IEC 60227, 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 016) - Black (125CCZP 009) - Blue (125CCZP1 011) - Red (125CCZP2 012) - Yellow (125CCZP3 010) - Green (125CCZP4 008) - Brown (125CCZP5 008) - Gray (125CCZP6 002)

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



Properties	Unit	Amount	Standard
Density	$gr/cm^3$	$1.51 \pm 0.01$	ASTM D 792
Hardness at 15 second	Shore "A"	$86 \pm 2$	ASTM D 2240
Thermal stability at 200°C	Minute	Min 60	VDE 0472
Mechanical properties			
Tensile		12.5	IEC 60811-1-1
Elongation	MPa	150	
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

**Head Office:** 5<sup>th</sup> floor, Number 51, 6<sup>th</sup> Golestan street, Pasdaran Avenue, Tehran, Iran. Tel : (+98 21)79453000, Fax: (+98 21)88762819

[info@khorramco.com](mailto:info@khorramco.com) website: [www.khorramco.com](http://www.khorramco.com)

Approved by : QC & Laboratory Manager